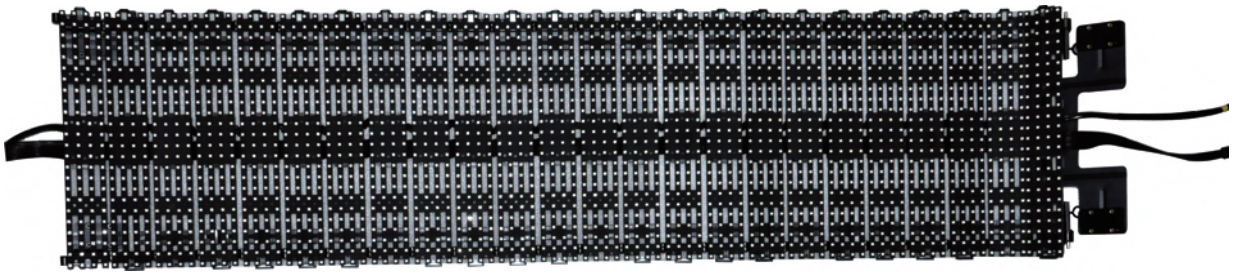
ROE
CREATIVE DISPLAY

User Manual

Linx-12M



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01 Safety Information:

WARNING!
Read the safety precautions in this section before installing, powering, operating or servicing this product.

The following symbols are used to identify important safety information on the product and in this manual:

WARNING! Safety hazard. Risk of severe injury or death.

WARNING! Refer to manual before installing, powering or servicing.

WARNING! Hazardous voltage. Risk of lethal or severe electric shock.

WARNING! Hot surface. Do not touch.

WARNING! Fire hazard.

WARNING! Emission hazardous to eyesight.

This product is for professional use only. It is not for household use.

This product presents risks of severe injury or death due to fire hazards, electric shock and falls.

Read this manual before installing, powering or servicing this product, follow the safety precautions listed below and observe all warnings in this manual and printed on the product.

If you have questions about how to operate the panel safely, please contact your Radiant supplier.

PROTECTION FROM ELECTRIC SHOCK

· Connect the product to AC mains power within the range 100-240V nominal at 50 or 60 Hz only.

· Disconnect the product from power when not in use.

· Always ground (earth) the product electrically.

· Before using the product, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.

· Do not use the product if the power cable or a power plug is in any way damaged, defective or showing signs of overheating.

· Do not attempt to open any cover.

· Refer any service operation not described in this manual to a qualified technician.

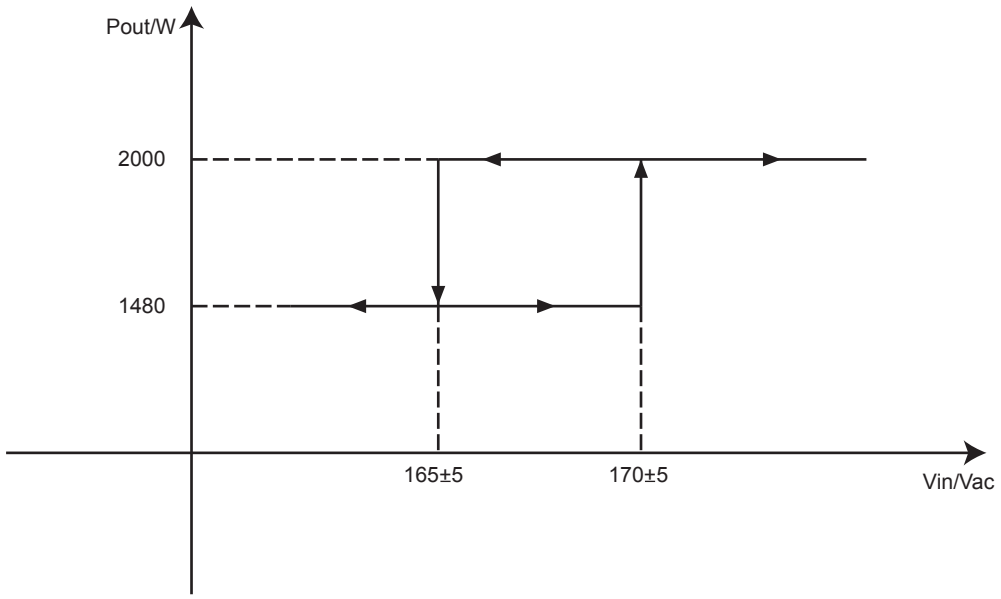
PROTECTION FROM FIRE

Do not stick filters, masks or other materials directly onto LED modules.

Do not modify the product in any way not described in this manual.

Install only genuine Radiant parts in or on the product unless an alternative is described in this manual.

Do not operate the product full load if the ambient temperature of power units (Ta) exceeds 45˚C (113° F) or less than -20˚C(−4° F)



PROTECTION FROM INJURY

Create an installation by installing panels at the top and working downwards. Disassemble an installation by removing panels at the bottom and working upwards.

Check that all external covers and rigging hardware are securely fastened.

Block access below the work area and work from a stable platform whenever installing, servicing or moving the product.

Important warnings

Maximum and minimum ambient temperature:
The maximum ambient temperature for the LED wall is 45°C; the minimum tem - perature is -20°C.

High leakage current:
The combination of power boxes in an installation results in increased levels of Leakage current. In order to avoid risk of electric shock due to high leakage current, proper grounding of the installation is required.

This equipment MUST be earthed:
In order to protect against risk of electric shock, the installation should be properly grounded. Defeating the purpose of the grounding type plug will expose you to the risk of electric shock.

Power system

Mains cords:
The power cords delivered with this system have special properties for safety. They are not user Serviceable. If the power cords are damaged, replace them only with new ones. Never try to repair a power cord.

Data cables:
The data cables provided with this system have special properties for safety. They are not user serviceable. If the data cables are damaged, replace them only with new ones. Never try to repair a data cable. Per requirements of the National Electrical Code® in the USA, the length of a data cable must not exceed 100 m (332 feet). Avoid exposure of data cables to accidental contact with lightning or power conductors.

LINX LED Curtains cannot be hot swapped:
Always disconnect the power cord from the control box before connecting or disconnecting the cable string or one of LINX LED Curtains.

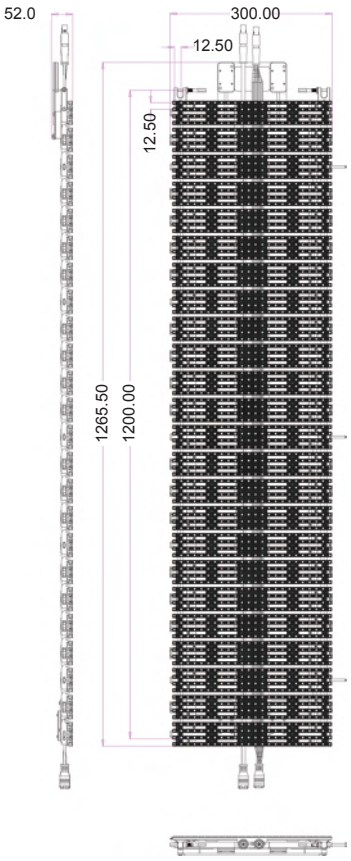
02 Specification:

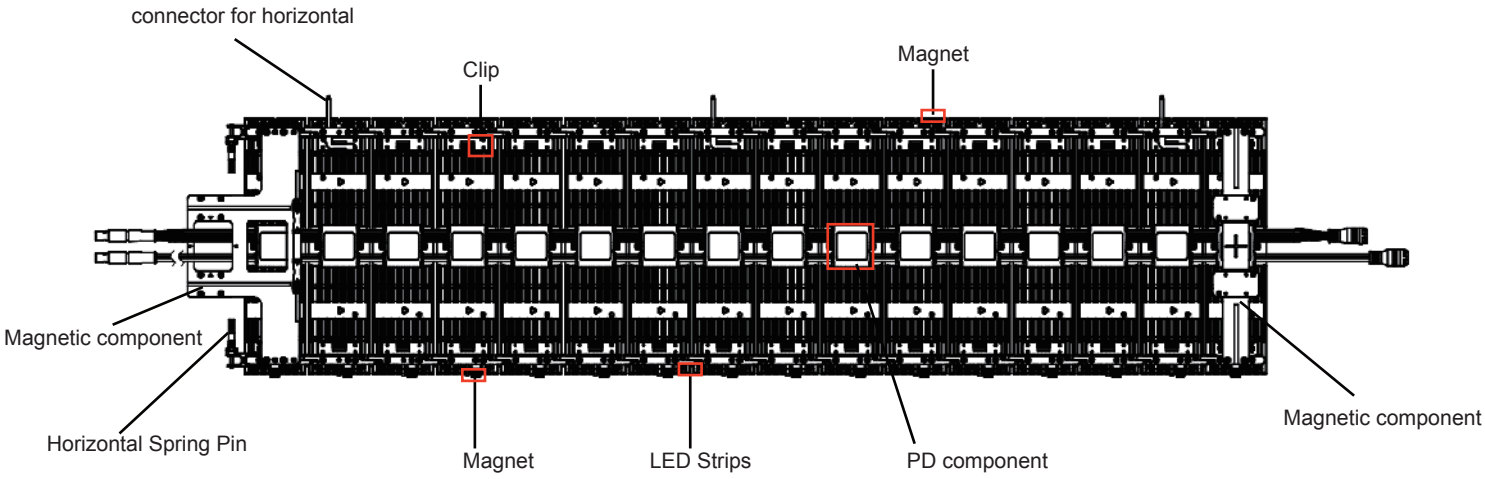
Linx LED Curtains is lightweight and virtually transparent LED display.They offer wide viewing angles with excellent image integrity and color uniformity,owning the common characteristics of lightweight and firm structure.With the amazing flexibility and high density,both of them can be able to multi-angle folded,satisfy your solution for applications with long viewing distances.

Linx-12M Specification:

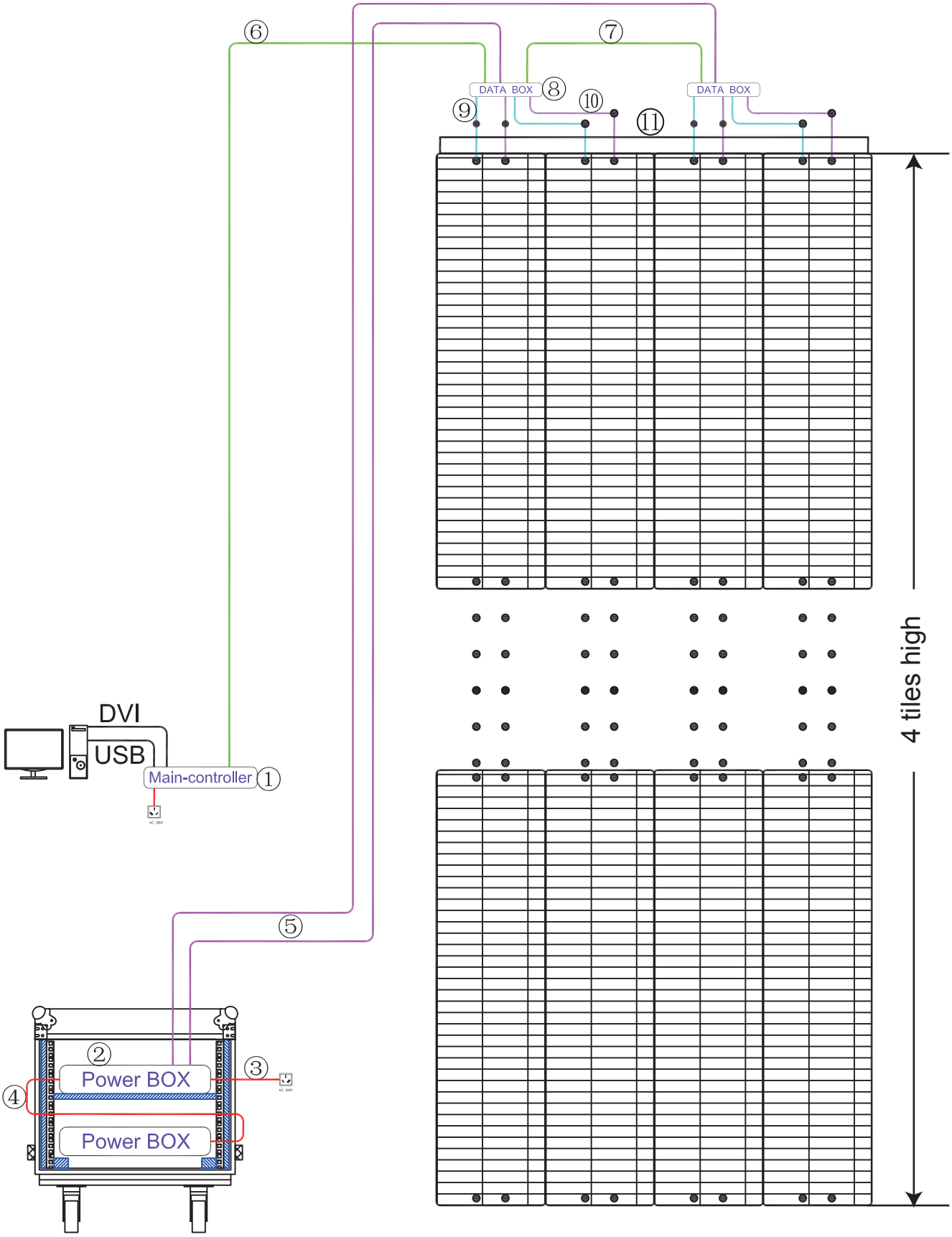
Pixel Pitch	12.5mm
LED Type	3in1 SMD
Brightness(Nit or CD/m^2)	Cree 3435,4000/NationStar3535,3500
Transparency	27%
Module Size(mm) W×H×D	300.0×1200.0×52.0
Module Area	0.36m^2
Pixels/Module	24×96
Pixels/m^2	6400
Viewing Horizontal	160 °
Viewing Vertical	120 °
Weight/Module	4.70kg/10.36lbs
IP（Front/Reverse）	IP65
Color Depth	16 bit
Processing	1280×1024/1920×640
Scan	1/3
Refresh Rate	4000Hz
Max Power/Module	160W
Certificates	ETL
Working Temperature	-20 to 45℃

Linx-12M Dimensions:





03 Connection:



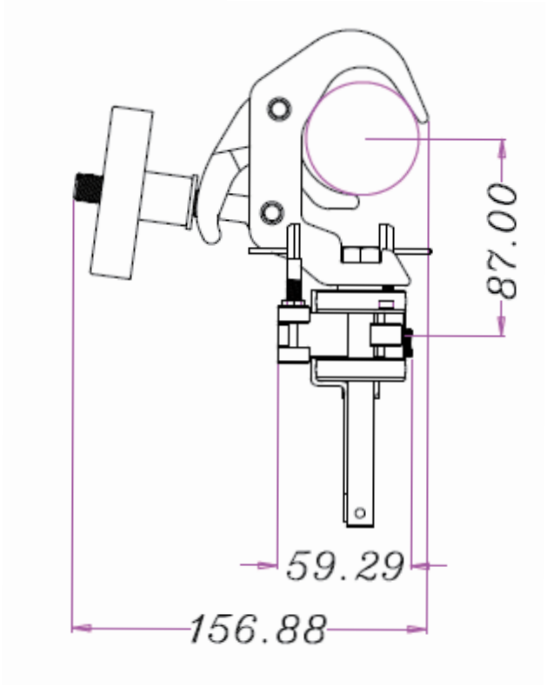
04 Accessories

①	②	③
Main controller Part No. :(SDR-30001) 	Power box Part No. :(PSU-41001) 	Power Cable 5M Part No. :PWC-30500
④	⑤	⑥
Power Cable 2M Part No. :PWC-30200 	Power Cable 20M Part No. :PWC-22004 	CAT-5 30M Part No. :CAT-30002
⑦	⑧	⑨
CAT-5 1M Part No. :CAT-01001 	Receiving Box Part No. :RCD-20002 	Data Cable 0.3M Part No. :DAC-03161
⑩	⑪	
Power Cable 0.3M Part No. :PWC-10034 	Hanging Bar 1.2M Part No. :RIG-12012 	Flightcase 2pcs/case Part No. :FLS-01001
		Flightcase 20 pcs/case Part No. :FLS-02001

05 Header Assembly:

Standard Header:

Figure 1: Clamp

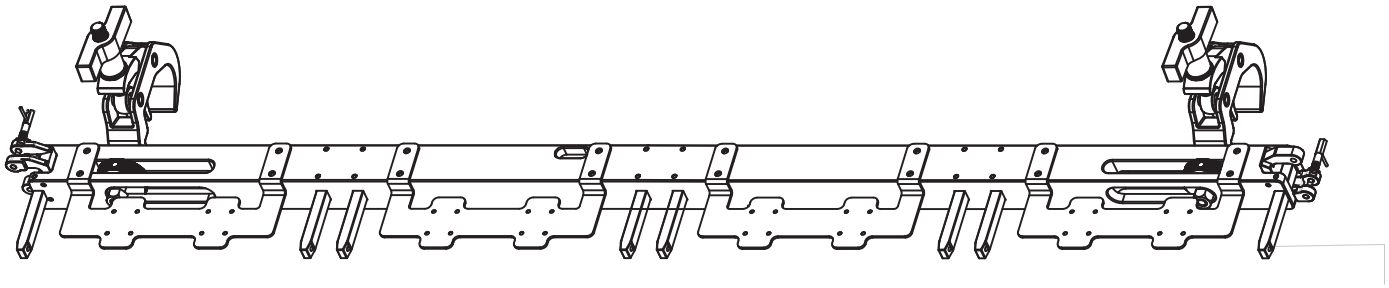


MAX. capacity: Φ5.0 cm tube.

Figure 2: Headers

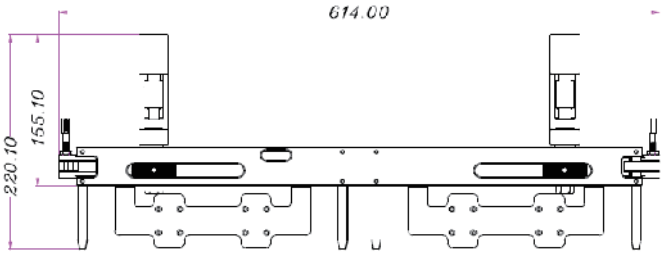
		0.6m	1.2m
	Dimension	614*220mm	1220*220mm
Material	Clamp	AL6061	AL6061
	Hang Bar	SUS304	SUS304
Max.Capacity	2 Holders	500KG	500KG
	2 Clamps	1.5T	1.5T
Max.Capacity of Vertical Hanging		8 pcs (9.6m)	

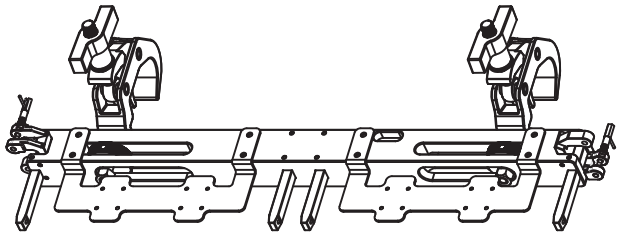
1.2m Hang Bar



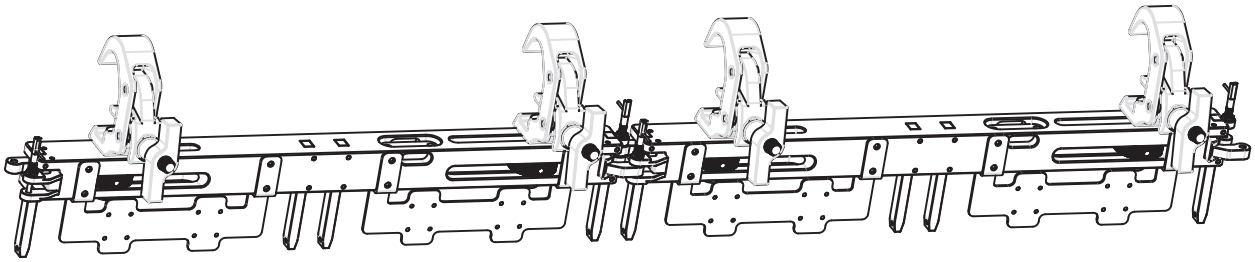
Holder

0.6m Hang Bar





Straight installation



Step 1: Match the holes in straight line.

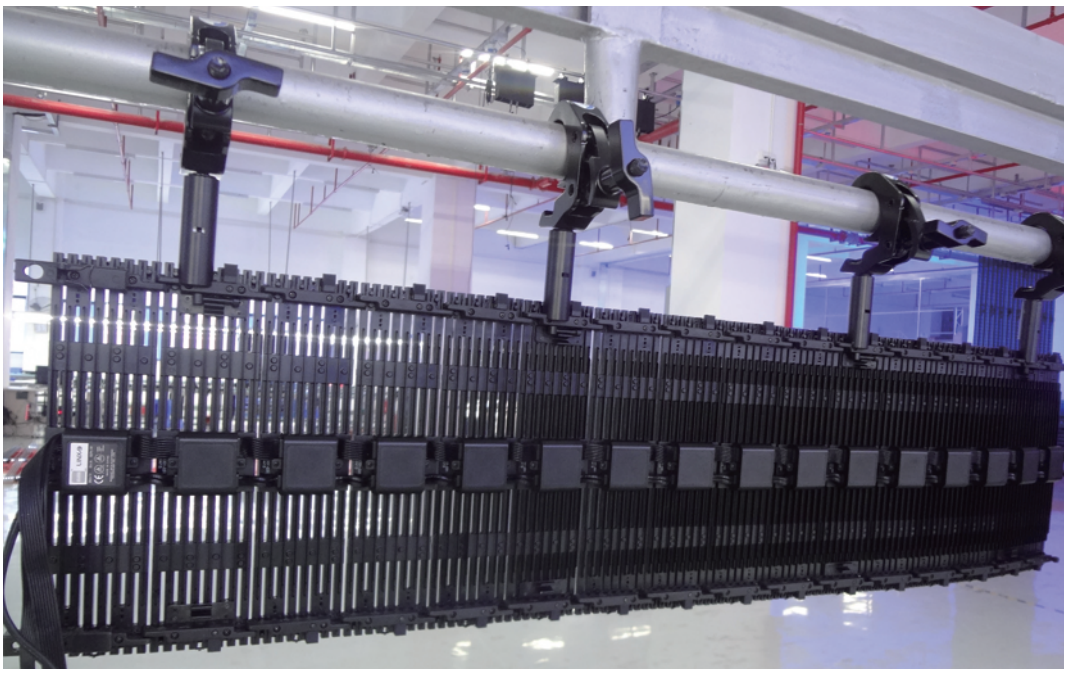
Step 2: Turn the knob and fit securely.

Step 3: Push the bolt in.

Note: Adjust the height of header with the pulley.

Curve Installation only for Hang Horizontal.

It needs a clamp and a holder,but header.



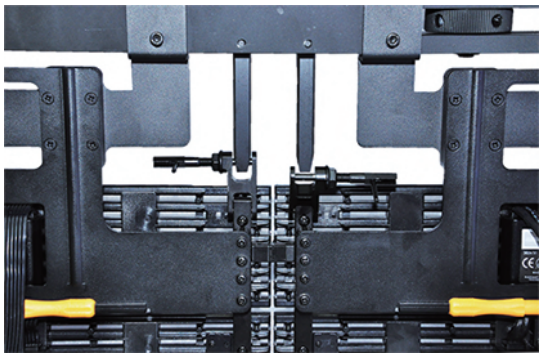
06 Physical Connection:

Straight installation

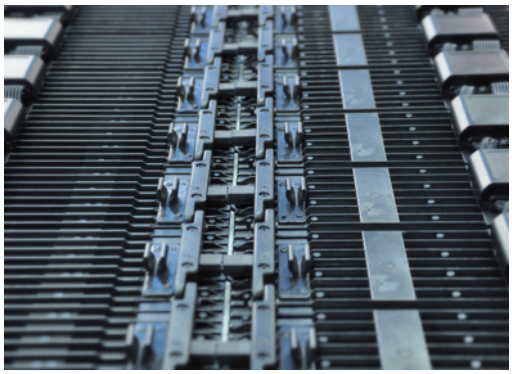
Step 1:

Step 2:

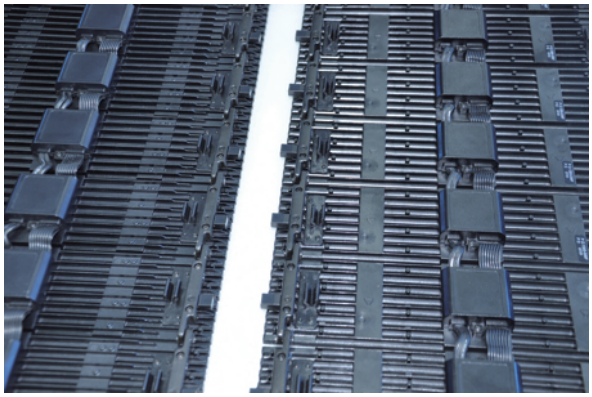
Step 3:



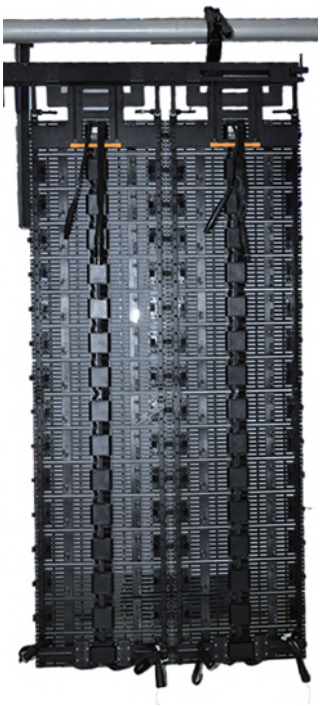
Step 4:



Step 5:



Finish:

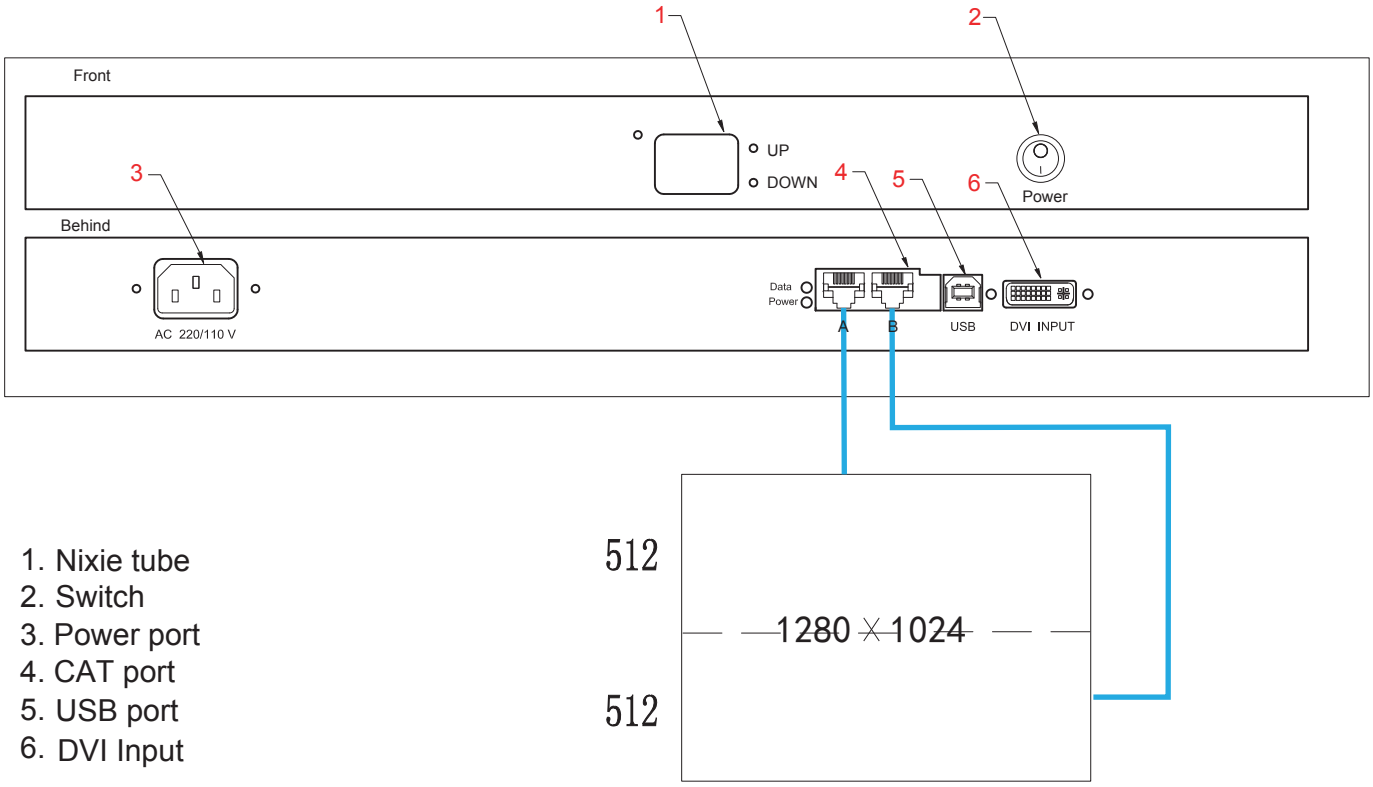


07 Control System:

The control system of Linx M consist of receiving card and sending card.

Specification	
Working voltage	100-240V AC
Power	＜10W
Working temperature	-20℃～ 45℃
Input port	DVI
Output ports number	2 ports
Communication port	USB/RJ45
Max resolution	1280x1024
Data transmission port	1000M Ethernet
Material	SPCC
Dimension	L460 x W215 x H40mm
Weight	1.48kg

Main controller (SDR-30001)



1. Nixie tube
2. Switch
3. Power port
4. CAT port
5. USB port
6. DVI Input

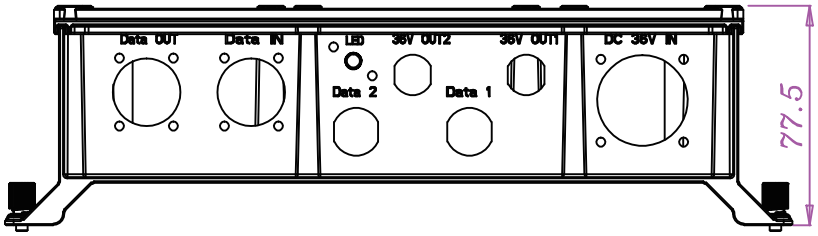
Software:

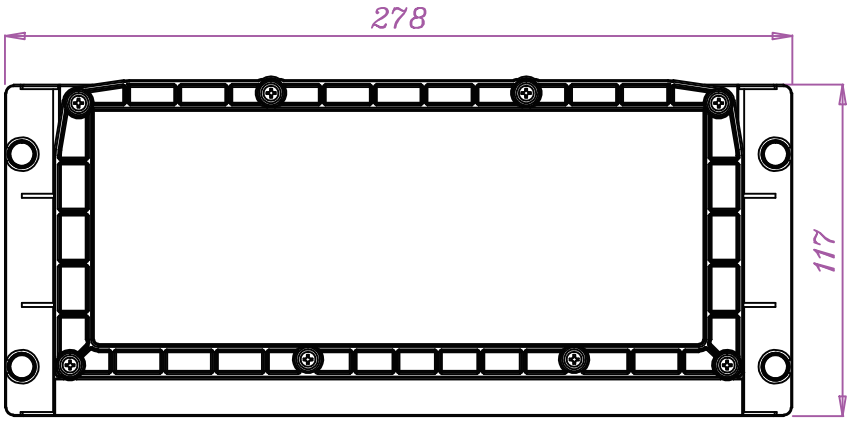
Please read software manual or download from the link as below:

Receiving box

Specification	
Working Voltage	36V AC
Working temperature	-20℃~45℃
DC36V Output	2 ports (one port one line)
Data output port number	2 ports
Mounting	Fixed on panels
Max Capacity	4 tiles high per port
Material	PC+10% glass fiber
Dimension	L278xW117xH77.5mm
Weight	0.7kg
IP	IP62

Receiving box (RCD-20002)



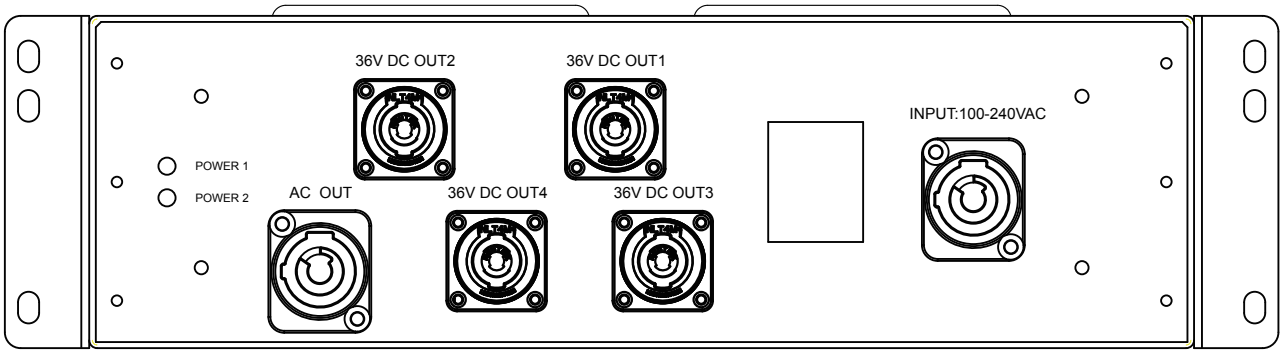


Receiving box (RCD-20002)

Power box

Specification	
Working Voltage	100-240V AC
Power Output	4000W
Working temperature	-20℃~45℃
DC36V Output	2 ports available
Mounting	Fixed on Head / Settle on the ground
Max Capacity	8 tiles per port
Material	SPCC
Dimension	L420xW380xH130mm
Weight	12.16kg
IP	IP62

Power box (PSU-41001)



Power box (PSU-41001)

Power box installation:

PSU-41001 can be suspended on the truss,also can be settled on the ground in smart flight case.

Figure 1: Installation on the truss

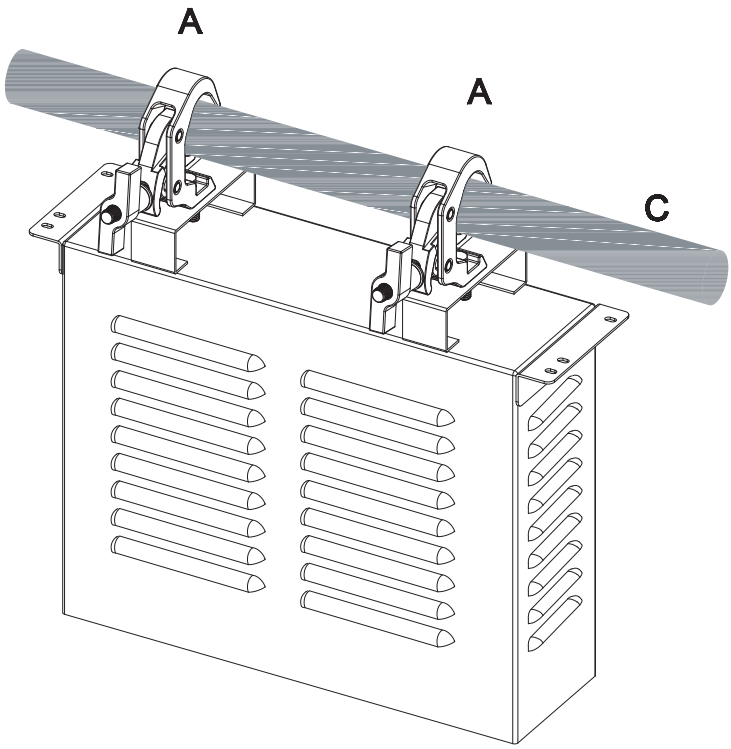
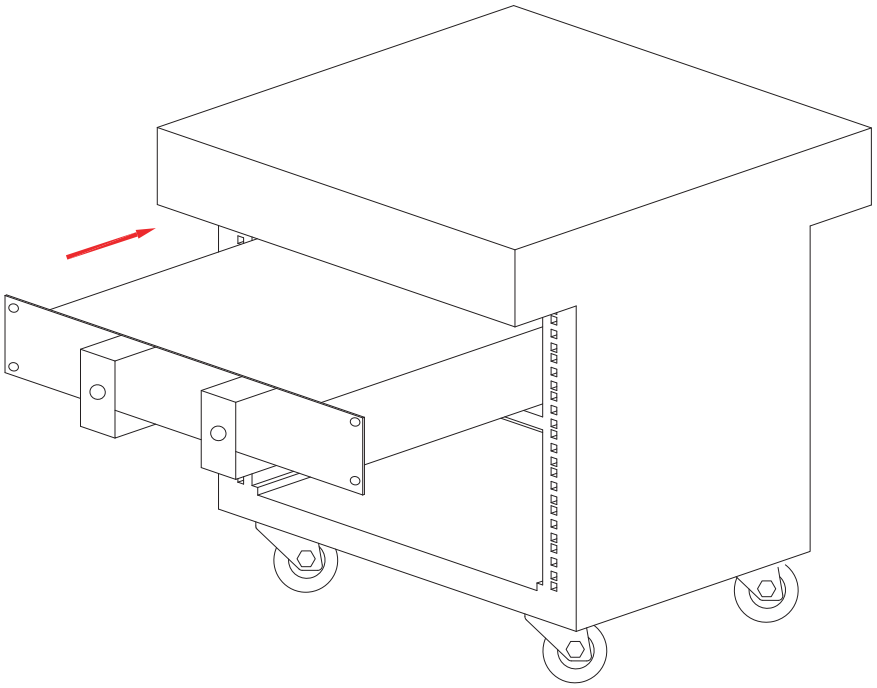
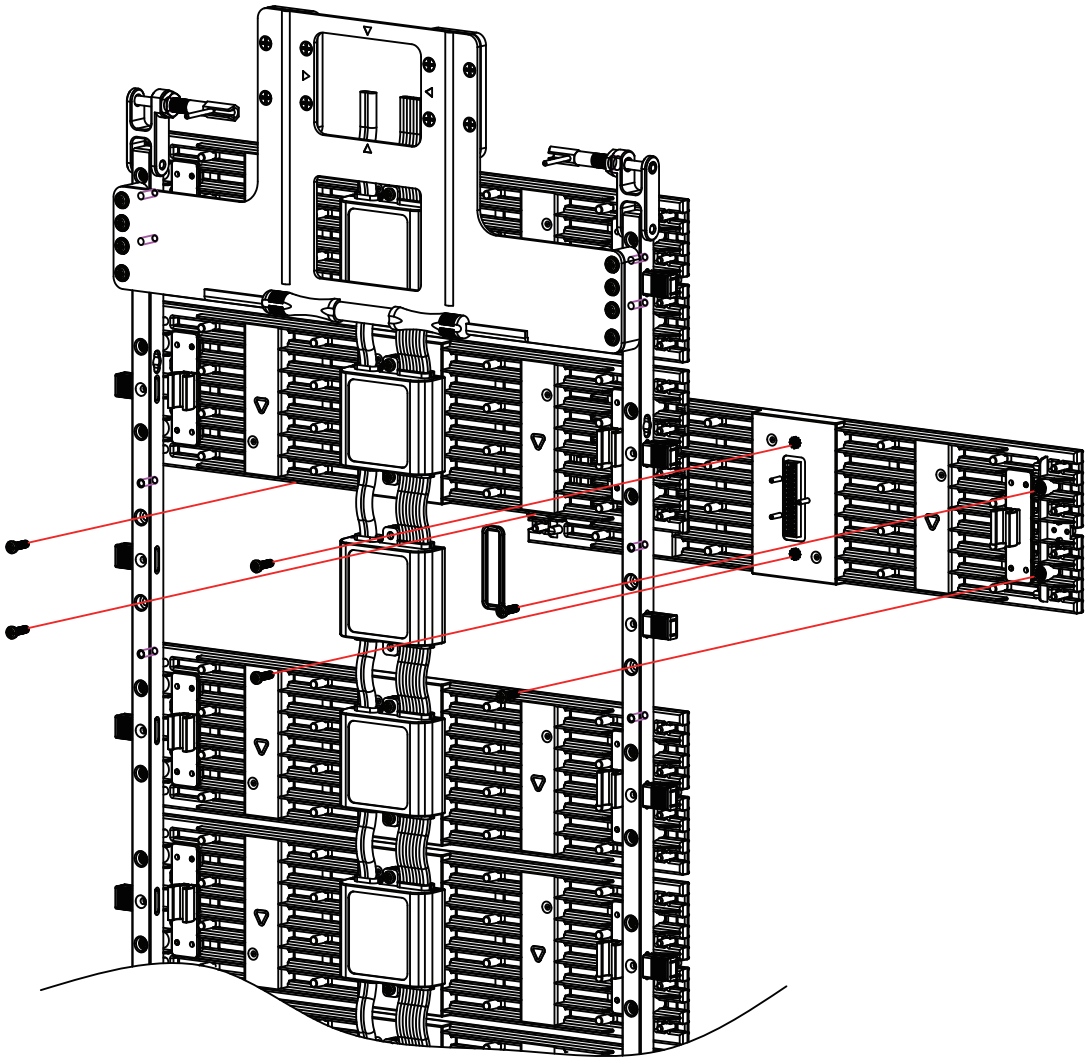


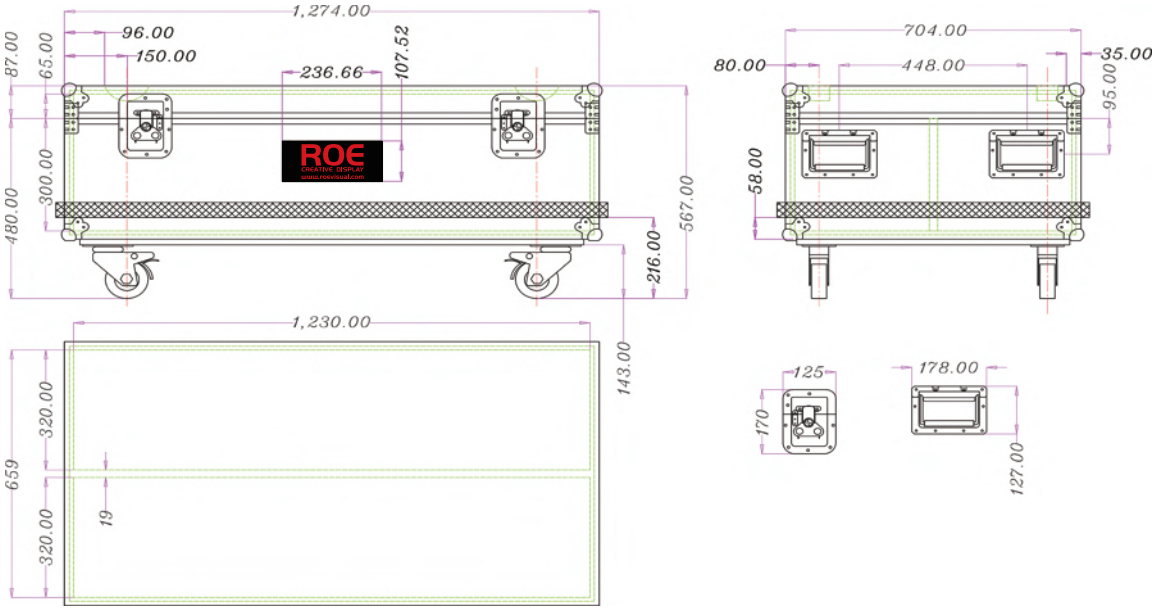
Figure 2: Installation in the flight case



When a LED fail to work, we need to replace the LED module



20 pcs LED panels per flightcase



The end

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